

ABSTRACT OF THE DISCLOSURE

The ultrasound puncture system in accordance with the present invention comprises a handpiece which accommodates an ultrasound vibrator, a puncturing probe for transmitting ultrasound waves to a biological wall which is to be punctured, an outer cover tube covering the probe and attached to the handpiece, and an ultrasound power source unit for driving the ultrasound vibrator, wherein the ultrasound power source unit comprises a termination unit for terminating the energy supply to the ultrasound vibrator, an impedance detector for detecting the puncture state of the probe, and a fluid supply unit for supplying a fluid to the distal end opening of the outer cover tube and probe, wherein the penetration of the probe through the biological wall is detected with the detection unit and the supply of energy to the ultrasound vibrator is terminated based on the detection output.